## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

EVILIDATE LE		(11) International Publication Number: WO 94/26308
(51) International Patent Classification 5:		(11) International Publication Number: WO 94/20308
A61K 39/40, 39/395	A1	(43) International Publication Date: 24 November 1994 (24.11.94)
(21) International Application Number: PCT/US94/05345		ES, FR, GB, GR, IE, IT, LU, MC, NL, P1, SE).
(22) International Filing Date: 12 May 1994 (	(12.05.9	4)
(30) Priority Data: 08/062,110 14 May 1993 (14.05.93)	1	Published  With international search report.  Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
(71)(72) Applicant and Inventor: ARNON, Stephen, S. [US/US]; 9 Fleetwood Court, Orinda, CA 94563 (US).		
(74) Agents: CIOTTI, Thomas, E. et al.; Morrison & Foo Page Mill Road, Palo Alto, CA 94304-1018 (US)	55	
		·
	·	
·		
(54) Title: A METHOD TO PREVENT SIDE EFFECTS AND INSENSITIVITY TO THE THERAPEUTIC USES OF TOXINS		

## (57) Abstract

·C:

Human-derived or human-compatible antitoxins are administered as an adjunct to therapy with a toxin, such as botulinum toxin or an immunotoxin, or as an adjunct to therapy with a combination of toxins, in order to reduce or prevent endogenous production of antibodies to the toxin(s) or other unwanted side effects.